

**TDMS No.** 93027 - 11

**Test Type:** 90-DAY

**Route:** DOSED FEED

**Species/Strain:** RATS/SD

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Peroxisome project (Dibutyl phthalate)

**CAS Number:** 84-74-2

**Date Report Requested:** 06/24/2009

**Time Report Requested:** 13:49:06

**First Dose M/F:** 09/15/94 / NA

**Lab:** BAT

F1\_Rev1\_R8

**C Number:** C93027A

**Lock Date:** 06/12/1996

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**Study Gender:** Male

**TDMSE Version:** 2.1.0

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>SPRAGUE-DAWLEY RATS MALE</b> ANIMAL ID <b>0 PPM</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0

**\* TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver Infiltration Cellular, Mononuclear Cell	+	+	+	+	+	+	+	+	+	+	10
	1	1	1	1	1	1	1	1	1	1	5 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 0 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mononuclear Cell					2						1 2.0

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>SPRAGUE-DAWLEY RATS MALE</b> ANIMAL ID <b>0 PPM</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0

**\* TOTALS**

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1	2	2	1	3	1	3	4	3	2	10 2.2
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

**HEMATOPOIETIC SYSTEM**

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	M	+	9
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
---------------	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 0 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Skin	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

**RESPIRATORY SYSTEM**

Lung Hemorrhage, Focal	+	+	+	+	+	+	+	+	+	+	10
					2						1 2.0

Nose	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

Trachea	+	+	+	+	+	+	+	+	+	+	10
---------	---	---	---	---	---	---	---	---	---	---	----

**SPECIAL SENSES SYSTEM**

NONE											
------	--	--	--	--	--	--	--	--	--	--	--

**URINARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 0 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Kidney Nephropathy	+	+	+	+	+	+	+	+	+	+
	1	1	1	1	1	1	1	1	1	1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+
	10									
	9 1.0									
	10									

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 1000 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mononuclear Cell	1				1	1		1			4 1.0
Necrosis						4					1 4.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

NONE

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic				1	1	2	2	1	1	3	7 1.6
Testes	+	+	+	+	+	+	+	+	+	+	10
Atrophy										1	1 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 1000 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## HEMATOPOIETIC SYSTEM

NONE

## INTEGUMENTARY SYSTEM

NONE

## MUSCULOSKELETAL SYSTEM

NONE

## NERVOUS SYSTEM

NONE

## RESPIRATORY SYSTEM

NONE

## SPECIAL SENSES SYSTEM

NONE

## URINARY SYSTEM

Kidney  
Nephropathy+ + + + + + + + + +  
1 1 1 1 1 1 1 1 110  
7 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 2500 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mononuclear Cell	1	1	1	1			1	1		1	7 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Atrophy, Focal				1							1 1.0

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

NONE

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	2	2	2	2	1		2	3	1		8 1.9
Testes	+	+	+	+	+	+	+	+	+	+	10
Atrophy				1							1 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 2500 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## HEMATOPOIETIC SYSTEM

NONE

## INTEGUMENTARY SYSTEM

NONE

## MUSCULOSKELETAL SYSTEM

NONE

## NERVOUS SYSTEM

NONE

## RESPIRATORY SYSTEM

NONE

## SPECIAL SENSES SYSTEM

NONE

## URINARY SYSTEM

Kidney  
Nephropathy+ + + + + + + + + +  
1 1 1 1 1 1 1 1 1 110  
9 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 5000 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mononuclear Cell						1	1		1	1	4 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Atrophy, Focal						1					1 1.0

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

NONE

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	2	1	2	2	1	2	1	1	1	2	9 1.6
Testes	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 5000 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## HEMATOPOIETIC SYSTEM

NONE

## INTEGUMENTARY SYSTEM

NONE

## MUSCULOSKELETAL SYSTEM

NONE

## NERVOUS SYSTEM

NONE

## RESPIRATORY SYSTEM

NONE

## SPECIAL SENSES SYSTEM

NONE

## URINARY SYSTEM

Kidney  
Nephropathy+ + + + + + + + + +  
1 1 1 1 1 1 1 1 110  
5 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 10,000 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Cytoplasmic Alteration	2	2	2	2	2	2	2	2	2	2	10 2.0
Infiltration Cellular, Mononuclear Cell	1				1	1				1	4 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Atrophy, Focal				1							1 1.0

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

NONE

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1	2	2	3	2	2	2	2	2	3	9 2.1
Testes	+	+	+	+	+	+	+	+	+	+	10
Atrophy	1										1 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
	.....									
<b>SPRAGUE-DAWLEY RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>10,000 PPM</b>	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>									

**HEMATOPOIETIC SYSTEM**

NONE

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	10
Nephropathy	1	1		1	1	1		1		6 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
<b>SPRAGUE-DAWLEY RATS MALE</b> ANIMAL ID <b>20,000 PPM</b>	0	0	0	0	0	0	0	0	0	* TOTALS	
	0	0	0	0	0	0	0	0	0	* TOTALS	
	0	0	0	0	0	0	0	0	0	* TOTALS	
	5	5	5	5	5	5	5	5	6	* TOTALS	
	1	2	3	4	5	6	7	8	9	* TOTALS	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Cytoplasmic Alteration	2	2	2	2	2	2	2	2	2	2	10 2.0
Infiltration Cellular, Mononuclear Cell	1	1	1	1	2	1					6 1.2
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 20,000 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+
										10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

## ENDOCRINE SYSTEM

Adrenal Cortex Hypertrophy	+	+	+	+	+	+	+	+	+	+	10
											1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	M	+	+	M	+	8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

## GENERAL BODY SYSTEM

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 20,000 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	2	3	2	1	3	1	1	2	1	2	10 1.8
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
Atrophy					1	2				1	3 1.3

## HEMATOPOIETIC SYSTEM

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

## INTEGUMENTARY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 20,000 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Mammary Gland + + + + + + + + + + 10

Skin + + + + + + + + + + 10

**MUSCULOSKELETAL SYSTEM**

Bone + + + + + + + + + + 10

**NERVOUS SYSTEM**

Brain + + + + + + + + + + 10

**RESPIRATORY SYSTEM**Lung + + + + + + + + + + 10 1 1.0  
Hemorrhage, Focal 1

Nose + + + + + + + + + + 10

Trachea + + + + + + + + + + 10

**SPECIAL SENSES SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93027 - 11

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/SD

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Peroxisome project (Dibutyl phthalate)

CAS Number: 84-74-2

Date Report Requested: 06/24/2009

Time Report Requested: 13:49:06

First Dose M/F: 09/15/94 / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
SPRAGUE-DAWLEY RATS MALE ANIMAL ID 20,000 PPM	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy	1			1	1	1	1	1	1		7 1.0
<hr/>											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

\*\*\* END OF MALE DATA \*\*\*

\*\*\* END OF REPORT \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked